

# TOBACCO Counseling your patients to quit 5A's

Robert Mallin, MD
Professor
Family Medicine
Medical University of South Carolina

#### Objectives

- Brief overview of epidemiology
- 5A's Smoking Cessation
- Stages of Change
- Motivational Interviewing
- Pharmacotherapy
- Follow-up care

Sept. 23, 1936

"...sound as a bell"

Wise doctor.

Wise mother.

Fortunate youngster.

Regular physical examinations plus all the methods developed to prevent or inhibit even the oncecasual diseases are now routine in American life.

The magnificent advance made in guarding health by fighting illness before it strikes is still another proud chapter in the history of the medical profession.



According to a recent Nationwide survey:

#### More Doctors Smoke Camels than any other Cigarette

#### The "T-Zone" T for Taste and Throat



Your "T-Zone" is a critical "laboratory" when it comes to cigarettes. Try Camel's flavor on your taste. See how your throat reacts to Camel's cool mildness. Like millions other smokers, you

too may say, "Camels suit my 'T-Zone' to • The makers of Camels take an understandable pride in the results of a nationwide survey among 113,597 doctors by three leading independent research organizations.

When queried about the cigarette they themselves smoked, the cigarette named most by the doctors was... Camel. Every branch of medicine was represented-physicians, surgeons, diagnosticians, specialists.

Like you, doctors smoke for pleasure. The rich, full flavor and cool mildness of Camel's costlier tobaccos are just as' appealing to them as to you. Compare Camels-in your own "T-Zone."

AMELS Costlier Tobaccos





# Epidemiology

- Annual Deaths in US attributed to smoking?
- **440,000**
- In SC?
- **5**,900
- Health Care Costs US?
- \$167 Billion
- □ In SC?
- \$109 million



# Epidemiology

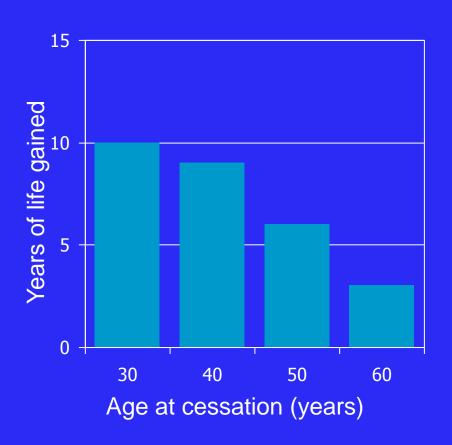
- In SC
- 22.3% of adults 18+ smoke
- 19.1% of high school youth smoke
- 14.9% pregnant women smoked in last trimester
- 57.2% of adults have tried to quit at least once in the past 12 months
- 70% want to quit





### Impact of Quitting Smoking

- Prospective study of 34,439 male British MDs
- Mortality monitored for 50 years (1951–2001)





Sir Richard Doll 1912 – 2005

Doll et al. (2004). *BMJ* 328(7455):1519–1527

#### 20 minutes of quitting...

Within 20 minutes after you smoke that last cigarette, your body begins a series of changes that continue for years.

#### 20 Minutes After Quitting

Your heart rate drops.

#### 12 Hours After Quitting

Carbon monoxide level in your blood drops to normal.

#### 2 Weeks to 3 Months After Quitting

Your heart attack risk begins to drop. Your lung function begins to improve.

#### I to 9 Months After Quitting

Your coughing and shortness of breath decrease.

#### 1 Year After Quitting

Your added risk of coronary heart disease is half that of a smoker's.

#### 5 Years After Quitting

Your stroke risk is reduced to that of a nonsmoker's 5-15 years after quitting.

#### 10 Years After Quitting

Your lung cancer death rate is about half that of a smoker's. Your risk of cancers of the mouth, throat, esophagus, bladder, kidney, and pancreas decreases.

#### 15 Years After Quitting

Your risk of coronary heart disease is back to that of a nonsmoker's.



#### "You like them FRESH?

#### So do I!

You don't have to tell the woman who has switched to Camels the benefits of a fresh

She knows all about it - that's the reason she stays switched.

She has learned that the fine, fragrant, sun-ripened choice tobaccos in Camels have a perfectly preserved delicate mildness all their own.

She knows by a grateful throat's testimony

smoker - switch to Camels for just one day -then leave them-if you can. R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N.C.

what a relief this smooth, cool, slowburning fresh cigarette means to sensitive

Camels are fresh in the Camel Humidor

If you don't know what the Reynolds

method of scientifically applying heat so as

to avoid parching or toasting means to the

Pack because they are made fresh, fresh with

natural moisture and natural flavors - they

are never parched or toasted.

"Are you Listenin'?"

membrane.

CAMEL QUARTER HOUR, Morton Downey, Tony Wons, | PRINCE ALBERT QUARTER HOUR, Alice Joy, "Old and Camel Orchestra, direction Jacques Renard, every night Hunch," and Prince Albert Orchestra, every night except except Sunday, Columbia Broadcasting System

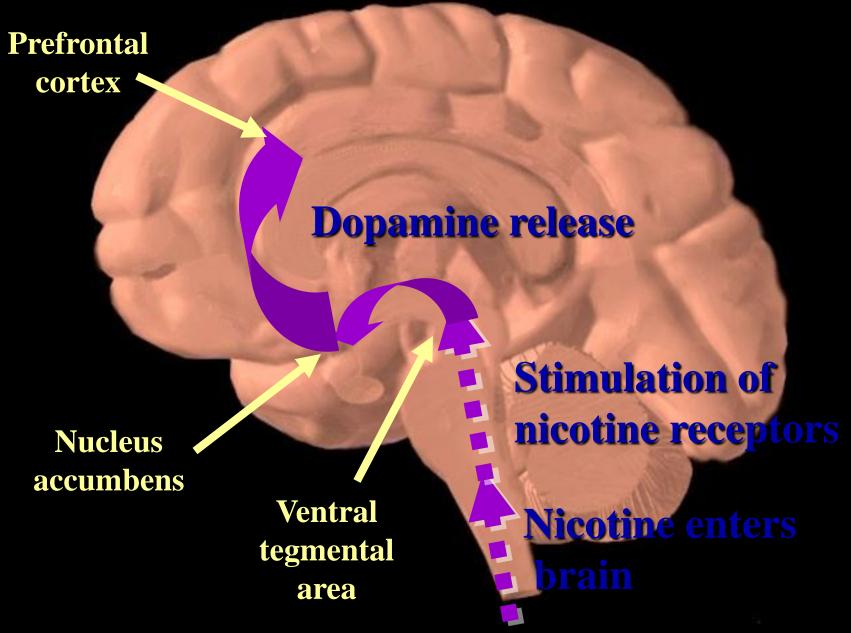
R. J. REYNOLDS TOBACCO COMPANY'S COAST-TO-COAST RADIO PROGRAMS—SEE RADIO PAGE OF LOCAL NEWSPAPER FOR TIME Sunday, National Broadcasting Company Red Network

• Don't remove the moisture-proof wrapping from your package of Camels after you open it. The Camel Humidor Pack is protection against perfume and powder odors, dust and germs. In offices and bomes, even in the dry atmosphere of artificial heat, the Camel Humidor Pack can be depended upon to deliver fresh Camels every time





#### **DOPAMINE REWARD PATHWAY**



# Agency for Healthcare Research and Quality Clinical Guidelines

- Three truths about tobacco
  - 1. All tobacco products exact devastating costs on the nation's health and welfare.
  - 2. For most users tobacco use results in drug dependence comparable to that of opiates, amphetamines and cocaine.
  - 3. Chronic tobacco use warrants repeated clinical intervention as do other addictions.

#### CLOSE TO HOME JOHN MCPHERSON



Though expensive, hiring a professional actor dressed as death to stalk his every move finally broke Ted of his smoking addiction.

### Primary Care Interventions

- What are the 5 A's of Smoking Cessation?
- 1. Ask the patient if he or she uses tobacco
- 2. Advise him or her to quit
- 3. Assess willingness to make a quit attempt
- 4. Assist those willing to quit
- 5. Arrange for follow-up contact to prevent relapse

#### ASK

- Ask if patient uses tobacco
  - Tobacco use as a Vital Sign
     VITAL SIGNS

Blood Pressure:		_
Pulse:	Weight:	
Temperature:		
Respiratory Rate:		
Tobacco Use: Current	Former Never	
Smoker in Home (circle one):	Yes No	



### Advise him or her to quit

- In a clear, strong, and personalized manner, urge every tobacco user to quit.
  - Clear—"I think it is important for you to quit smoking now and I can help you." "Cutting down while you are ill is not enough."
  - Strong—"As your doctor, I need you to know that quitting smoking is the most important thing you can do to protect your health now and in the future. The clinic staff and I will help you."

### Advise him or her to quit

- In a clear, strong, and personalized manner, urge every tobacco user to quit.
  - Personalized—Tie tobacco use to current health/ illness, and/or its social and economic costs, motivation level/readiness to quit, and/or the impact of tobacco use on children and others in the household
  - "Your asthma will improve when you stop smoking"

#### Assess Tobacco Use

- Three categories of Patients
  - Current users who are willing to quit
  - Current users unwilling to quit at this time
  - Former users who have recently quit



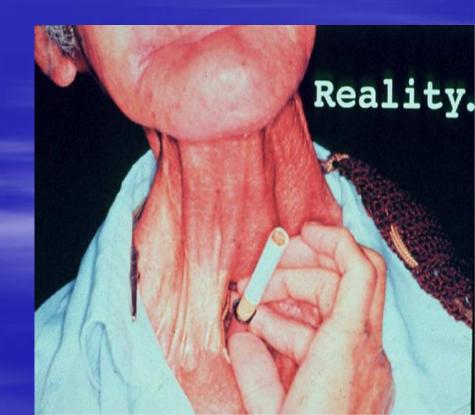
### Stages of Change

- Precontemplative
  - "I don't have a problem."
- Contemplative
  - " I think I may need to quit, but I'm not ready."
- Preparation
  - "I want to quit."



### Stages of Change

- Action
  - "I stopped smoking today."
- Maintenance/Relapse
  - "I stopped smoking 6 mos. Ago"/ "I started smoking again."



### Strategies for the Patient in Precontemplation

- Education
- Persistent advice:
   Should be reminded at every visit.



### For patients in contemplation

- Pros and Cons
- Debunking of pros
- Emphasis on cons
- Discuss at every visit





#### Relevance

- Encourage the patient to indicate why quitting is personally relevant to their disease status or risk factors.
- "Your family history and hypertension increase your risk for cardiovascular disease. Stopping smoking would improve your risk greatly."

#### Risks

- Ask the patient to identify potential negative effects of smoking
  - Acute risks: SOB, exacerbation of Asthma, cough
  - Long term risks: MI, CVA, cancer, lung, bladder, cervix, COPD, costs for extended care
  - Environmental risks: Increased risk of lung cancer, in non-smokers exposed, low birth weight, increased respiratory infections in children

#### Rewards

- Ask the patient to identify potential benefits of stopping smoking that seem most relevant to the patient
  - improved smell and taste,
  - saved money
  - improved conditioning
  - reduced skin damage
  - healthier children

#### Roadblocks

- Ask the patient to identify potential barriers
  - lack of support
  - depression
  - loss of enjoyment of tobacco
  - weight gain
  - cost of pharmacotherapy

#### Repetition

- repeat motivational interviewing each time you see patient.
- Failed attempts to quit should be met with the understanding that most people require multiple attempts to quit
- "You will almost certainly be successful if you keep trying."

- Identification of triggers
  - Other smokers
  - Drinking alcohol
  - Experiencing urges
  - Stressful situations

Unless you look like me, you could stand to lose a few pounds. Let's face it: slightly chubby but cute in the face is no way to go through life. Smoking can help with that. You smoke now? Good. Don't quit or the weight will just pile on and you'll be helpless to stop it. Helpless. Take care of yourself or you may find someone who does look like me taking care of your man. SURGEON GENERAL'S WARNING: Cigarette Smoke Contains Carbon You've come a long way, baby Monoxide. Just not as far as me.

- Identification of Coping Strategies
  - Anticipate, and avoid temptation
  - Cognitive strategies reduce stress and negative mood
  - Lifestyle changes that improve quality of life
  - Learning cognitive and behavioral strategies to deal with urges to smoke

- Provide basic information about smoking and successful quitting
  - Any smoking will likely result in relapse
  - Withdrawal typically peaks between 1-3 weeks of smoking cessation
  - Withdrawal symptoms include depressed mood, irritability, urges to smoke, and difficulty concentrating.

- Intratreatment Support
  - Encourage the patient to quit
    - Effective treatment for nicotine dependence is available
    - Half of the people who have ever smoked have quit
    - "You can quit smoking, I am certain of it."

- Intratreatment Support
  - Communicate caring and concern
    - Ask patient how they feel about quitting
    - Directly express concern and willingness to help
    - Be open to the patients fears about quitting, difficulties experienced, and ambivalent feelings

- Intratreatment Support
  - Encourage the patient to talk about the quitting process
    - Ask about
      - Reasons patient wants to quit
      - Concerns or worries about quitting
      - Success patient has achieved
      - Difficulties encountered while quitting

- Extra treatment support
  - Train Patient in support solicitation skills
    - Videos
    - Practice asking family friends, co-workers for support
    - Help patient to establish smoke free home

- Extra treatment support
  - Prompt support seeking
    - Help patient identify support
    - Remind patient to call supportive others
    - Community resources of support

# Motivational Interviewing for Preparation/Action Stages

- Extra treatment support
  - Clinician arranges outside support
    - Mail letters to supportive others
    - Call supportive others
    - Assign patients to be "buddies" to one another

## For patients in Preparation

- Set Quit date
- List Triggers
- List Coping strategies
- Create support network
- Discusspharmacotherapy



- Which treatments are considered first line, FDA approved?
  - Bupropion
  - Nicotine gum
  - Nicotine inhaler
  - Nicotine nasal spray
  - Nicotine patches
  - Varenicline



- Bupropion (sustained release)
  - Precautions/Contraindications
    - Seizure, eating disorders
  - Adverse effects
    - Insomnia, Dry mouth
  - Dose
    - 150mg QD X3 then 150mg BID Begin 2 wks prior to quit date

- Bupropion (sustained release)
  - Duration
    - 7-12 wks up to 6 mos.
  - Cost/day
    - **\$3.30/day**

- Nicotine Gum
  - Adverse effects
    - Mouth soreness, dyspepsia
  - Dosage
    - 1-24 cig./d 2mg up to 24/d
    - >25 cig./d 4mg up to 24/d
  - Duration
    - up to 12 weeks
  - Cost/day
    - about \$7/d for 10 pieces

- Nicotine inhaler
  - Adverse effects
    - local irritation mouth and throat
  - Dose
    - 6-16 cartridges/d
  - Duration
    - up to 6 months
  - Cost/day
    - about \$11.00/10 cartridges

- Nicotine nasal spray
  - Adverse effects
    - nasal irritation
  - Dose
    - **8-40** doses/d
  - Duration
    - 3-6 mos
  - Cost/day
    - \$5.40/12 doses

- Nicotine Patch
  - Adverse effects
    - Local skin reactions, insomnia
  - Dose
    - 21mg, 14mg, 7 mg
  - Duration
    - 4wks (21mg) 2wks (14mg) 2wks 7 mg
  - Cost/day
    - **\$4.22**

- Second line medications
  - Clonidine
  - Adverse reactions: dry mouth drowsiness, dizziness sedation
  - Dose: 0.15-0.75mg/d
  - Duration: 3-10 wks
  - Cost/day: \$0.25

- Second line Medications
  - Nortriptyline
  - Precautions: risk of arrhythmias
  - Adverse effects: sedation dry mouth
  - Dose: 75-100mg /d
  - Duration: 12 wks
  - Cost: \$0.75/d

# Choosing Nicotine Replacement Dose

- Modified FagerstromScore
- 1. How many cigarettes do you smoke daily?
  - 0-10 0 points
  - 10-20 1 point
  - 20+ 2 points



# Choosing Nicotine Replacement Dose

2. How soon after waking do you smoke?

– 1hour + 0 points

30m-1hr1 point

- < 30m 2 points



# Choosing Nicotine Replacement Dose

- 3. How long can you comfortably go w/o smoking?
  - ->2 hrs 0 points
  - 1-2 hrs 1 point
  - -<1 hr 2 points

# Choosing Nicotine Replacement Dose

- Score
- 0-1 points None (prn nicorette)
- 1-2 points7 mg patch
- 3-4 points 14mg patch
- >4 points21 mg patch

## Varenicline

- partial agonist selective for α4β2 nicotinic acetylcholine receptor subtypes
- Binds to receptor sites, competitively with nicotine and resulting in a partial agonist response reducing the reinforcing effect of nicotine.

## Varenicline

- Varenicline shown to be efficacious in clinical trials
  - Unique mechanism
  - 30% abstinence rate at 6 months<sup>1</sup>
  - Superior to bupropion and placebo
- Side effects common
  - Nausea most frequent side effect
  - Discontinuation of medication in 17-28% of active group subjects<sup>1 2</sup>

<sup>1</sup> Gonzales et al., JAMA 2006; Jorenby et al., JAMA 2006

<sup>&</sup>lt;sup>2</sup> Nides et al., Arch Int Med 2006; Oncken et al., Arch Int Med 2006; Williams et al., Curr Med Res 2007

## FDA Alert February 2008

- "It appears increasingly likely that there may be an association between varenicline and serious neuropsychiatric symptoms."
  - Ask about psych history
  - Monitor for behavior and mood changes
    - anxiety, nervousness, tension, depressed mood, unusual or aggressive behaviors and thinking about or attempting suicide

## DOSAGE AND ADMINISTRATION:

- Usual Dosage for Adults patient should set a date to stop smoking. Varenicline dosing should start 1 week before this date. Varenicline should be taken after eating and with a full glass of water.
- The recommended dose of varenicline is 1 mg twice daily following a 1-week titration as follows:
- Days 1-3: 0.5 mg once daily
   Days 4-7: 0.5 mg twice daily
   Day 8-End of treatment: 1 mg twice daily
- Patients should be treated with varenicline for 12 weeks.

### Abbreviated Method: 2 As + R

-ASK

-ADVISE

-REFER

 If patient smokes or uses other tobacco products

Him or her to quit

 To the SC Tobacco Quitline or a local service

#### 1. ASK Do you use tobacco? No Congratulate Resources to Complete the Current Other Remaining Three As: Assess, Assist and Resources Arrange Yes Materials Quit Line Medications External Resources Internal Resources 2. ADVISE Advise to Quit Give a strong ▶ 3. REFER personalized message to seek help in quitting.

Produced by the Tobacco Cessation Resource Center

Materials Encouragement Internal Resources

## Quitlines

- Takes 30 seconds to refer a patient.
- Staffed by experts who tailor a plan and give advice.
- Proven effectiveness in reach to many tobacco users
- Increase a smoker's chance of successfully quitting.



## Tobacco Quitline Advantages

- Able to reach large # of smokers
- One-on-one, high quality counseling by telephone
- Reactive and proactive services provided
- Personal Quit Coach provides behavioral support
- Counseling protocols are tailored to youth, young adults, pregnant and smokeless tobacco users
- Free NRT may be available depending on funding
- Quitlines are staffed by experts who deliver appropriate interventions
- Quitlines increase smoker's chance of quitting successfully
- Proactive telephone counseling achieves higher quit rates than brief physician advice and counseling

Stead LF, Lancaster T, Perera R. Telephone counseling for smoking cessation. Cochrane Database Sys Rev 2003;CD002850.

Zhu S-H, Anderson CM, Tedeschi GJ, et al. Evidence of a real-world effectiveness of a telephone quitline for smokers. *N Engl J Med* 2002; (347)14: 1087-93.

# SC Tobacco Quitline: 1-800-QUIT-NOW (784-8669)

- Free statewide telephone counseling support w/Personal Quit Coach
- Hours 8am-midnight, 7 days/wk
- Convenient confidential free
- Proactive (call-back) service provided
- Free support materials individualized to stage of change
- Multi-call intervention (5 sessions)
  - Pregnant
  - Uninsured
  - Medicaid
- Youth Support Program court ordered youth
- Internet Web Coach™ feature
- Multi-language capacity English/Spanish/Other
- Click to Call Feature
- Specialized counseling protocols for callers who are: pregnant, adolescent or smokeless tobacco users



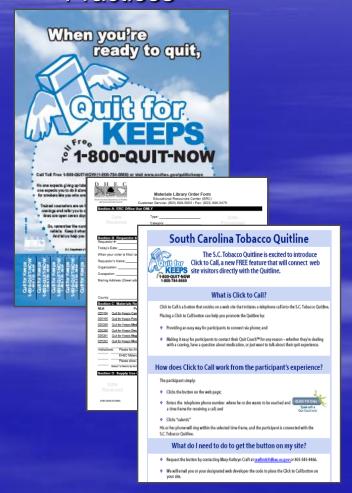
### FREE MATERIALS!

Available from DHEC Educational Materials Library www.scdhec.gov/quitforkeeps

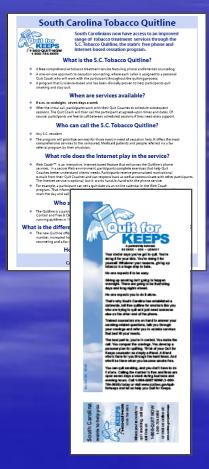
#### **Providers**



#### **Practices**



#### **Patients**



## Provider Fax Referral

Fax patient referral while in office

 DHEC Form 1042 / HIPAA Letter/Q&A Sheet

Quitline follows-up w/pt. in 48 hrs

KEEPS NO. 1	1-800-4 Patient File Humber		
INSTRUCTIONS: PLEASE COMPLETE T PATIENT MUST SIGN FORM. SIME PAT		TO 1-000-483-3	1114.
Provider information on an incommunity wave many			
Numer of Mindred Facilitys	County:		
Human of a Primary Contact Persons			
PerilPeril ()	Smell		
Commercial Committees operating			
Patient Information on these measures. Complete	Material   Promote	Programs?	□H
Patient Name:		DOB!/_	
Address	City:	201	
Princip Phone B. ()		·w	_641
Secondary Process (	Hs	w	641
Language (Instanton o (Intentions)     Degrado   Departs	OR 81		
Tribum Type (chart princip) and 🗀 Olgenian 🗀 Ones		li .	
I am neety to quit bitecon and i request that the present to help me with my get place I authorize the above	Stelli Cantina Notacco Oca ename diprovider to facilitis	One contact me by radi Secreta the Guilline.	ephone
IDO NOT give my permission to the South Cerc grants when contacting me.	Die Notwork Quilliners <u>banks</u>	<u>namentato</u> se my te	hepth-core
(ACMS) Report with the Badroin Ris retend.	ofer back to the above nam-	el provider erFexilles	k Ostoons
Patrick Elgrature (required)			
The South Carolina Tobusco Guillian will out you. Propersonated and musicymus. POTE: The Guillian in made actions other than during this 3 hour benchmark.	green I day on a second, such and	<u>e Care Arene</u> Arris Major Carris e Partie	winey be
□ 8 em - 12 man EST □ 12 man - 3 pm EST	□ 4 pm - 4 pm 697	□ 0 pm - 13 M	Magist Ri
Wilder Site Silvace time frame, phone constact me also	test and []tel[]tel[]co		

SOUTH CAROLINA TOBACCO QUITLINE.

PROVIDER FAX REFERRAL FORM

(mathematic that we like the place is that, inc. if injure named in the place is and in a man, the control of the place is a man of mathematically. The tensor was to the action of the

### Local Tobacco Cessation Services

- SC Hospital-based programs
- Inpatients and community
- Best chance for evidence-based services
- Access hospital map by county at: www.scdhec.gov/quitforkeeps



## Click-to-Call

Just add logo to your website

See flyer for who to contact

#### South Carolina Tobacco Quitline



The S.C. Tobacco Quitline is excited to introduce
Click to Call, a new FREE feature that will connect web
site visitors directly with the Quitline.

#### What is Click to Call?

Click to Call is a button that resides on a web site that initiates a telephone call into the S.C. Tobacco Quitline. Placing a Click to Call button can help you promote the Quitline by:

- Providing an easy way for participants to connect via phone; and
- Making it easy for participants to contact their Quit Coach\*\* for any reason whether they're dealing
  with a craving, have a question about medication, or just want to talk about their quit experience.

#### How does Click to Call work from the participant's experience?

The participant simply:

- Clicks the button on the web page;
- Enters the telephone phone number where he or she wants to be reached and
  a time frame for receiving a call; and



Clicks "submit."

His or her phone will ring within the selected time frame, and the participant is connected with the S.C. Tobacco Quitline.

#### What do I need to do to get the button on my site?

- Request the button by contacting Mary-Kathryn Craft at <u>craftmk@dhec.sc.gov</u> or 803-545-4466.
- We will email you or your designated web developer the code to place the Click to Call button on your site.

## Provider Resources/Tools

- American Academy of Family Physicians (AAFP)
- Quitline cards are free for AAFP members (shipping charges apply).
  - www.aafp.org/tobacco
  - www.askandact.org
- Online CME courses
  - www.TobaccoCME.com



## Insurance coverage- Cessation

- SC Tobacco Quitline free counseling to callers;
  CDC funded through SC DHEC
- Medicare Part B covers 3 levels of counseling; Part D covers cessation Rx (not patch)
- SC Medicaid covers all FDA-approved cessation products (11/07/06 Medicaid Bulletin)
- SC State Health Plan Quit for Life Program (state employees/dependents) covers free telephone counseling + NRT
- Other Blue Choice Health Plan, Cigna, Carolina Care Plan and others cover cessation counseling or NRT or both with limitations (ask plan administrator)

# Tobacco Counseling Diagnosis/Coding/Billing

- Tobacco use a chronic disorder
- www.surgeongeneral.gov/tobacco
  - Complete listing of tobacco cessation diagnostic codes from U.S. PHS Clinical Practice Guideline (Appendix C)
- Primary Tobacco Use Disorder ICD-9 Code: 305.1
  - Use this code to chart and track provider intervention with smokers, even if not getting reimbursed
- Provider reimbursement available through MEDICARE
  - CPT coding is under Smoking and Tobacco-Use Cessation Counseling (does not include codes under "Preventive Medicine, Individual Counseling)

## Medicare: Coding & Billing

- Two Types of Counseling Covered (codes updated as of January 1, 2008):
  - CPT Code 99406 smoking and tobacco-use cessation counseling visit;
     intermediate, greater than 3 mins up to 10 mins
  - CPT Code 99407 smoking and tobacco-use cessation counseling visit; intensive, greater than 10 mins
  - ICD-9-CM Code 305.1 Tobacco Use Disorder (Tobacco Dependence) but also contact local Medicare Contractor for guidance

#### Eligibility:

 Diagnosis codes must reflect patient's disease or adverse health effect linked to tobacco use or patient's prescribed therapeutic agent whose metabolism or dosage is affected by tobacco use— refer to Medicare guidelines for smoking and tobacco-use cessation counseling

#### Frequency:

 2 cessation attempts per year; each attempt includes maximum of 4 intermediate or intensive sessions, up to 8 sessions in a 12-month period

## Website Resources

### <u>DHEC</u>

- www.scdhec.gov/quitforkeeps
  - SC Tobacco Quitline/Cessation Web Page

### Medication Support

- Pfizer Inc.
  - GETQUIT™ support program at www.CHANTIX.com
- GlaxoSmithKline
  - Support on their website at www.gsk.com
- Novartis
  - www.habitrol.com
  - www.smokefreeprogram.com

### Other Internet Resources

- 1-800-QUIT-NOW website www.smokefree.gov
- Spit/smokeless tobacco users www.oralhealthamerica.org
- Pregnant smokers www.helppregnantsmokersquit.org
- Smoke-Free Families www.smokefreefamilies.org

## QUESTIONS?

